

Title (en)

Method and device for toning a printing forme of ferroelectric material

Title (de)

Verfahren und Vorrichtung zum Tonen einer Druckform aus ferroelektrischem Material

Title (fr)

Méthode et dispositif de développement d'une forme d'impression en matériel ferroélectrique

Publication

EP 0458230 B1 19960619 (DE)

Application

EP 91108110 A 19910518

Priority

AU PK030890 A 19900524

Abstract (en)

[origin: US5213931A] To predispose toner particles to develop latent images in the form of polarized domains on a ferro-electric recording layer (12), for immediate transfer to a substrate (S), a donor roller (1) is rotated in a bath of liquid dispersed toner particles (4), which are charged; the thickness of the liquid dispersion, and hence of the quantity of donor particles, is controlled by limiting the amount of dispersant liquid toner particle deposit by rotating a limiting roller (9) positioned spaced apart with respect to said donor roller by a tiny gap; sequential rotation of the donor roller past a nkp (14) with the ferro-electric surface layer (12) forms a meniscu between the toner dispersion and, where the polarization of domains of the ferro-electric recording member (12) is opposite the charge polarization of the toner particles, the toner particles will adhere to the ferro-electric recording surface (12) for subsequent transfer to the recording substrate (S).

IPC 1-7

G03G 15/10; **G03G 15/056**

IPC 8 full level

G03G 15/06 (2006.01); **G03G 9/125** (2006.01); **G03G 15/056** (2006.01); **G03G 15/10** (2006.01); **G03G 15/22** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

US 5213931 A 19930525; DE 59107942 D1 19960725; EP 0458230 A2 19911127; EP 0458230 A3 19930825; EP 0458230 B1 19960619; JP 3581371 B2 20041027; JP H04229884 A 19920819

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